



Black & Decker

®

OWNER'S MANUAL

BELT SANDERS

MOTOR

Your tool is powered by a Black & Decker built motor. Be sure your power supply agrees with nameplate marking. **VOLTS 50/60 Hz** means **Alternating Current ONLY**. **VOLTS DC60 Hz** means it will also operate on **Direct Current**. Voltage variation of more than 10% will cause loss of power and over-heating. All B&D tools are factory-tested; if this tool does not operate, check the power supply.

BRUSHES

Carbon Brushes should be regularly inspected for wear. When the plastic brush inspection caps (located low on each side of the front of the housing) are unscrewed, the brush and spring assemblies may be withdrawn from the tool.

Keep brushes clean and sliding freely in their guides. Carbon brushes have varying symbols stamped into them, and if the brush is worn down to the line closest to the spring, they must be replaced. New brush assemblies are available at Service Centers; see back page of this booklet.

EXTENSION CORD

When using the tool at a considerable distance from power source, a 3-conductor, grounding-type extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. Use the table below to determine the minimum size wire which should be in the extension cord.

Use only three wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged cords.

Ampere rating (on nameplate)	0 to 2.0	2.10 to 3.4	3.5 to 5.0	5.10 to 7.0	7.10 to 12.0	12.1 to 16.0
Ext. Cable length	Wire Size (A.W.G.)					
25 ft.	18	18	18	18	16	14
50 ft.	18	18	18	16	14	12
75 ft.	18	18	16	14	12	10
100 ft.	18	16	14	12	10	—
150 ft.	16	14	12	12	—	—
200 ft.	16	14	12	10	—	—

SAFETY RULES FOR POWER TOOLS

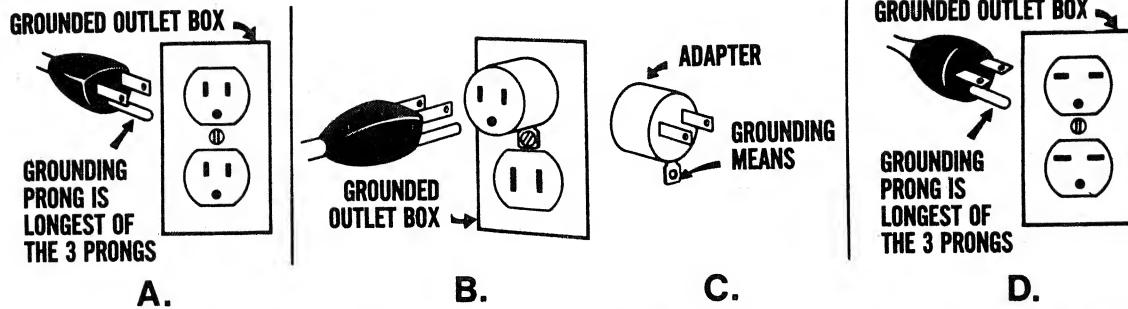
1. **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a known ground. Never remove third prong.
3. **KEEP GUARDS IN PLACE** and in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tool in damp or wet locations. And keep work area well lit.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
11. **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
13. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
18. **AVOID ACCIDENTAL STARTING:** Don't carry plugged-in tool with finger on switch. Be sure switch is "OFF" when plugging in.
19. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords suitable for use outdoors and so marked.
20. **DO NOT OPERATE** portable electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

SAFETY WITH BELT SANDERS

1. Before changing belts, or at any time the tool is not actually being used, be sure that the trigger switch is in the "OFF" position and that the cable is unplugged from the power supply.
2. Before plugging in the cable, be sure that the trigger switch is in the "OFF" position.
3. When starting or stopping the Sander hold the tool off of the work surface to prevent it from "running away" or gouging.
4. Use correct size belts — 3" x 24".

GROUNDING

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure D. An adapter, Figures B and C, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box. No adapter is available for a plug as shown in Figure D. Adapter shown in Figures B & C is not for use in Canada.



We recommend that you NEVER disassemble the tool or try to do any rewiring in the electrical system. Any such repairs should be performed only by B&D Service Centers or other qualified service organizations. Should you be determined to make a repair yourself, remember that the green colored wire is the "grounding" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to connect the green wire only to the grounding (longest) prong on a 3-prong plug. Never remove the grounding prong from the plug.

If you use an extension cord, be sure that it is a 3-conductor, grounding type cord. Grounding must be continuous from the tool plug to the grounded receptacle.

SWITCHES

Trigger Switch

To start tool, depress trigger; to stop, release trigger. To lock trigger in "ON" position for continuous operation, depress trigger, push in locking button, and release trigger. To release locking mechanism and turn off tool, depress trigger and release.

2-Speed Switch

Use the HIGH speed setting for high rate of material removal. Use the LOW speed setting to obtain smoother finishes on materials. The speed settings may be changed while the motor is running.

OPERATION

When you receive your unit, you will find a sanding belt already in operating position. To prevent the belt from striking the wear plate when the unit is initially turned on, turn the adjusting screw (See Figure 3) $\frac{1}{2}$ turn clockwise. Turn the unit on and, by using the adjustment screw, adjust belt flush to edge of shoe. A minor belt adjustment may still have to be made while sanding.

When using the Sander, grasp the handle and front knob firmly. Before applying tool to the work, turn on Sander. Then, to avoid gouging, begin your initial sanding stroke as the tool is lowered to the surface of the work. Keep the sander moving to insure even sanding. The weight of the tool itself provides sufficient pressure, in most cases, for proper sanding. Lift the Sander from the work before turning tool "OFF" in order to prevent gouging.

OPERATION (Cont'd)

For No. 4028 Dust Collecting Sander:

This Belt Sander is equipped for use with regular sanding belts. For use with B&D 'LUSTERLON' belts, remove clip insert (Fig. 1) by inserting a screwdriver into slot and prying against handle. Clip insert is easily replaced by reversing operation and pressing against clip insert until it snaps into place (Fig. 2). It is recommended that the clip insert be replaced when using regular sanding belts, as it increases the efficiency of the dust collection.

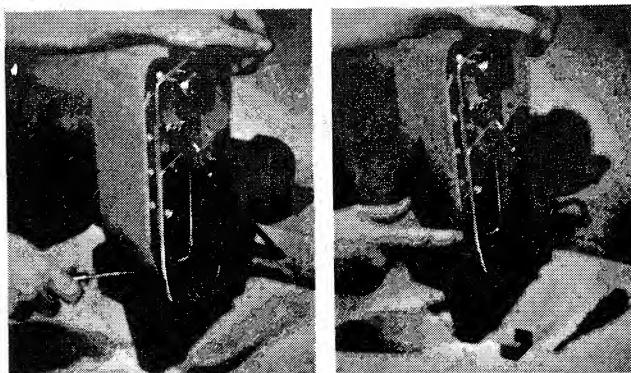


Fig. 1

Fig. 2

When using the Dust Collecting Belt Sander with 'LUSTERLON' Belts and Lubricants, it is recommended that the intake pipe be removed by removing the pipe spring and the intake pipe screw. This will keep the dust bag and intake pipe from becoming clogged with lubricant. To replace the intake pipe, reverse the above procedure.

CHANGING SANDING BELTS

Be sure that switch is off and plug is disconnected:

1. Lift lever (fig. 3) to retract front pulley.
2. Lift sanding belt off pulleys.
3. Insert the new belt with the arrow (on the belt backing) pointed in the direction of rotation.
4. Slide belt down firmly on each pulley being sure that sanding belt is placed properly beneath wear plate.
5. Return cam lever back to original position.
6. Adjust sanding belt on front pulleys with adjusting screw.

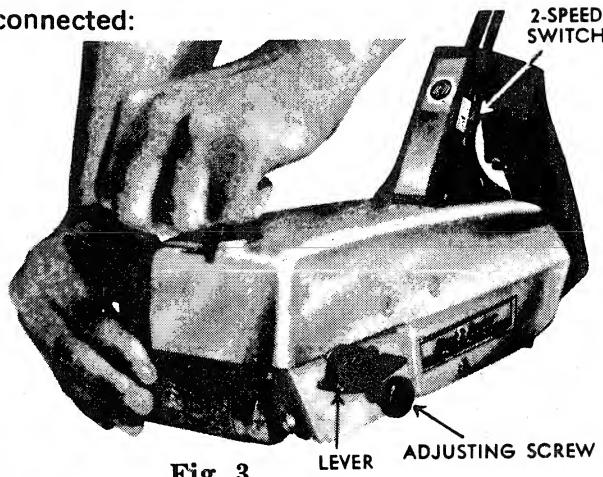


Fig. 3

LUBRICATION AND CLEANING

All bearings in the tool are sealed ball bearings which have been lubricated at the factory and contain sufficient lubricant to last the life of the bearing. Lubricate bearings in Dust Collector motor with light machine oil after every 15 to 20 hours of use.

It is recommended that the tool be sent to one of our Factory Service Branches for inspection and relubrication of the gear chamber after approximately 1 year's use.

Dust and grit which may collect in the main housing restricts the flow of air around the motor. It is recommended that an air hose be used to blow out this dirt whenever it can be seen collecting in and around the air slots. In metal application it is recommended that the above procedure be followed every few hours.

To protect the aluminum housing from the cutting action of the sanding belt, a wear plate of hardened steel is attached inside the housing. After considerable use, the wear plate may become scored. If this happens, replace the wear plate before the housing is damaged.

'LUSTERLON' BELTS:

Permits finishing, polishing and cleaning of metals, wood or hard plastic laminates with our New Super-Duty Belt Sanders. Made of unwoven nylon mesh impregnated with abrasive. Does not clog or load. Water and oil resistant. Use of lubricants below with 'LUSTERLON' Belts insures longer belt life and cooler operation. Lubricants can be washed from belts with kerosene.

Cat. No.	Type	Grit	Belt Size	Representative Applications
C58384	Silicon Carbide	150 coarse	3"x24"	Cleans and renews stainless steel finish on structural forms and panels; gives satin finish to metals prior to plating; removes scuff marks from plastic floor tile, etc.
C58385	Silicon Carbide	280 medium	3"x24"	Refinishes wood, linoleum or plastic desk tops; cleans old painted surfaces prior to repainting; produces satin finish on painted surfaces; removes scuff marks from wood floors; finishes sealer coat prior to painting or varnishing, etc.
C58386	Silicon Carbide	500 fine	3"x24"	Cleans corrosion from copper foil printed circuit boards; removes oxidation from aluminum, chromium, etc., gives glass finish on color coat on cabinets, etc; gives satin finish on plastic panels such as Formica, etc.; polishes furniture, boats, etc.

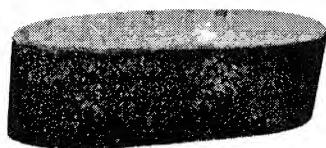
'LUSTERLON' BELT LUBRICANTS:

Cat. No. C58557 'LUSTERLUBE'. For finishing and polishing metals. 1 1/4 lb. tube.



Cat. No. C58599 'LUSTERLIQUID' Polish. For final finishing lacquered wood or hard plastic laminates. 1 pint can.

SANDING BELTS:



Precision-made to give maximum abrasive action. Exactly cut and bonded for perfect fit. Packed 10 per box. Quantity Prices: See B&D Price List and Save.

Belt Type and Use	Cat. No.	Grit	Cat. No.	Grit
CLOSED COAT ALUMINUM OXIDE for unfinished or new wood, ferrous metal, non-ferrous metals (aluminum, lead, copper, solder.)	C58368 C58370 C58372 C58374	36 coarse 40 coarse 50 medium 60 medium	C58376 C58378 C58380	80 medium 100 fine 120 fine
OPEN COAT ALUMINUM OXIDE for removing lacquer, paint or varnish. Also for green or resinous wood.	C58367 C58369 C58371 C58373	24 coarse 36 coarse 40 coarse 50 medium	C58375 C58377 C58379	60 medium 80 medium 100 fine

CAUTION: The above accessories are recommended for use with your Belt Sander. The use of any other accessory or attachment might be hazardous.

GUARANTEE

Black & Decker guarantees, for one year from date of purchase, to correct by repair or parts replacement without charge any defect due to faulty material or workmanship. Simply return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station. Naturally, we assume no responsibility for damage caused by misuse, careless handling or where repairs have been made or attempted by others. No other guarantee, written or verbal, is authorized by us.

IMPORTANT!

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (excluding brush replacement) should be performed by BLACK & DECKER Service Centers or other qualified service organizations, always using BLACK & DECKER replacement parts.

FACTORY SALES & SERVICE CENTERS

Area Code	Telephone No.		Area Code	Telephone No.
ALABAMA: Birmingham 35209, 10 Green Springs Highway	205 942-0538	NEW JERSEY: Patterson (Little Falls) 07424, Rt. 46 East, at Lower Notch Rd.	201 256-9373	
ARIZONA: Phoenix 85004, 537 E. McDowell Rd.	602 258-1332	Union 07083, 2305 U.S. Highway 22 West	201 964-7040	
ARKANSAS: Little Rock, 72201, 519 West Seventh Street	501 372-9040	(1 Block West of Flagship)		
CALIFORNIA: Anaheim 92802, 1235 So. Euclid Ave.	714 772-4050	NEW MEXICO: Albuquerque 87107, 2812 Candelaria Road N.E.	505 345-2503	
Fresno 93703, 2518 North Blackstone Avenue	209 224-2152	NEW YORK: Albany (Latham) 12110,		
Los Angeles 90007, 2510 S. Broadway (Sales only)	213 749-0371	833 Troy-Schenectady Rd.	518 785-1867	
Oakland (San Leandro) 94578, 15208 E. 14th St.	415 276-1610	Great Neck 11021, 98 Cuttermill Rd. (Sales only)	716 884-8220	
Riverside 92506, 4010 Merrill Ave.	714 787-9700	Home Products Division	516 829-9504	
Sacramento 95814, 1915 Seventeenth Street	916 444-3188	Professional Division	516 829-9505	
San Diego 92105, 3811 El Cajon Blvd.	714 280-3331	Automotive Division	516 829-9506	
Santa Clara 95050, 2291 The Alameda	408 241-9162	New York 11590, 1059 Old Country Road (Westbury, L.I.)	516 997-6140	
S. San Francisco 94068, P.O. Box 231, 1139 Airport Blvd.	415 871-7278	New York 10462, 1894 E. Tremont Avenue (Bronx)	212 792-2700	
Van Nuys 91411, 14920 Victory Blvd.	213 787-5531	New York 10014, 227 Varick St. (Manhattan)	212 923-6450	
COLORADO: Denver 80204, 675 Kalamath St.	303 222-0621	New York 11377, 56-15 Queens Blvd. (Woodside)	212 335-042	
CONNECTICUT: Bridgeport 06603, 1055 Lafayette Circle	203 368-3419	Rochester 14620, 476 Clinton Ave. S.	212 334-3114	
Hartford 06114, 131 Meadow Street	203 249-6241	Syracuse 13224, 2140 Erie Blvd. E.	315 446-3006	
DISTRICT OF COLUMBIA: Washington		Westbury 11590, 1059 Old Country Rd. (L.I.)	516 997-6140	
Bladensburg, Maryland 20710, 4501 Baltimore Ave.	301 779-3808	NORTH CAROLINA: Charlotte 28206, 1710 N. Graham St.	704 375-3721	
Falls Church, Virginia 22046, 129 Annandale Road	703 533-1147	Fayetteville 28302, P.O. Box 424, Highway 301, S.	919 423-9552	
Rockville, Maryland 20852, 1020 Rockville Pike	301 340-7377	Greensboro 27403, 1010 W. Lee Street	919 275-0906	
FLORIDA: Jacksonville 32208, 5224 Pearl Street	904 356-2951	Raleigh 27604, 2420 Atlantic Avenue	919 834-8207	
Miami 33168, 13345 N.W. Seventh Avenue	305 681-6658	OHIO: Cincinnati 45203, 1225 Western Ave.	513 421-2275	
Orlando 32806, 9405 N. Orange Ave.	305 423-1651	Cleveland 44113, 3901 Detroit Ave. S.	216 651-4243	
Tampa 33609, 3401 W. Kennedy Blvd.	813 872-8317	Columbus 43227, 3975 E. Livingston Ave.	614 237-0461	
GEORGIA: Atlanta 30313, 316 Techwood Drive, N.W.	404 524-0431	Dayton 45409, 2898 South Dixie Drive	513 298-1951	
Atlanta 30354, 3271 Hamilton Blvd., S.W. (Sales only)	404 762-1720	Toledo 43607, 3231 Dorr St.	419 531-8921	
HAWAII: Honolulu 96813, 675 Auahi Street	808 536-9374	OKLAHOMA: Oklahoma City 73106, 1318 Linwood Blvd.	405 232-7515	
ILLINOIS: Chicago 60101, Addison, 1710 W. Armitage Court	312 261-8633	Tulsa 74145, 3120 South Sheridan Road	918 622-5666	
Chicago 60646, Lincolnwood, 6710 N. Crawford Ave.	312 673-0923	OREGON: Portland 97209, 1640 N.W. Johnson Street	503 228-8631	
Chicago 60453, Oak Lawn, 6343 West 95th St.	312 423-7212	PENNSYLVANIA: Allentown (Whitehall) 18052,		
Des Plaines 60018, 2180 S. Wolf Rd. (Sales only)	312 827-0083	2242 MacArthur Rd.	215 435-9544	
Rock Island 61201, 725 30th Street	309 788-1744	Harrisburg 17112, 6070 Allentown Blvd.	717 845-0651	
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Hammond 46323, 7103 Kennedy Ave.	219 485-5100	Philadelphia 19103, 333 No. 20th Street (Service only)	215 564-5520	
Indianapolis 46202, 1125 W. 16th Street	317 632-5569	Pittsburgh 15232, 5437 Baum Blvd.	412 362-2700	
IOWA: Des Moines 50312, 2811 Ingersoll Ave.	515 244-7257	Wayne 19087, 125 Stratford Avenue		
KANSAS: Wichita 67214, 203 N. Mathewson Street	316 263-6571	Stratford Building #3 (Sales only)	215 688-0267	
KENTUCKY: Louisville 40209, 4407 Park Blvd.	502 366-1495	RHODE ISLAND: E. Providence 02914, 2777 Pawtucket Ave.	401 434-1655	
LOUISIANA: Metairie (New Orleans) 70002,		SOUTH CAROLINA: Greenville 29601, 407 Pendleton St.	803 232-3038	
3310 N. Causeway Blvd.	504 837-2550	TENNESSEE: Knoxville 37917, 4110 North Broadway	615 688-0921	
MARYLAND: Baltimore 21211, 203 West 28th Street	301 467-7411	Memphis 38116, 986 East Brooks Rd.	901 332-3444	
Baltimore 21205, 4712 Erdman Ave.	301 485-5550	Nashville 37203, 601 Eighth Ave. S.	615 254-1061	
Bladensburg (Wash. D.C.) 20710, 4501 Baltimore Ave.	301 779-3808	TEXAS: Amarillo 79106, 3008 West 6th Ave.	806 373-1531	
Rockville 20852, 1020 Rockville Pike	301 340-7377	Dallas 75207, 1701 N. Industrial Blvd. (Service only)	214 741-6401	
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Detroit (Mt. Elliott) 48234, 11360 East Seven Mile Rd.	313 527-5010	Houston 77003, 105 Sampson Street	713 228-7521	
Flint 48504, G-4083 Clark Road	313 789-6191	San Antonio 78201, 500 Culebra Avenue	512 732-1221	
Grand Rapids 49509, 3662 Clyde Park Ave., S.W.	616 534-7708	UTAH: Salt Lake City 84115, 1541 S. Third West Street	801 486-7056	
MINNESOTA: Bloomington (Minneapolis-St. Paul) 55420	972 Garfield Ave.	VIRGINIA: Falls Church 22046, 129 Annandale Road	703 533-1147	
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St. Louis 63110, 615 S. Vandeventer Ave. (Sales only)	314 533-2210	WEST VIRGINIA: Charleston 25312, 1638 Sixth Ave.	304 343-0289	
NEBRASKA: Omaha 68102, 2218 Leavenworth Street	314 291-2772	WISCONSIN: Milwaukee (West Allis) 53227,		
	402 345-2330	10903 W. Lincoln Ave.	414 543-9590	
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CALGARY, ALBERTA	1003 11th Avenue, S.W.	OTTAWA, ONTARIO	418 Laurier Avenue, West	
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HAMILTON, ONTARIO180 Parkdale Ave., N.	VANCOUVER 10, B. C.	24 West 2nd Ave.	
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